Amendments to the Claims:

Please amend Claims 1, 4, 5, 8, 9, 12 and 15 as shown below. This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for scrambling an analog signal, comprising:

    a)   receiving an analog signal;

    b)   converting said received analog signal into an intermediate frequency signal;

    c)   generating a gaussian pseudo-random noise signal; and

    d)   ~~combining~~ multiplying said intermediate frequency signal and said gaussian pseudo-random noise signal.

2. (Original) The method according to claim 1, wherein step b) comprises converting said received analog signal into a single side band intermediate frequency signal.

3. (Original) The method according to claim 1, wherein step c) comprises:

    a)   generating a pseudo-random noise signal based on a password;

    b)   filtering said pseudo-random noise signal; and

    c)   converting said filtered pseudo-random noise signal into a gaussian frequency distribution signal.

4. (Currently Amended) The method according to claim 1, wherein step d) comprises ~~combining~~ multiplying said intermediate frequency signal and said gaussian pseudo-random noise signal to form a radio frequency signal.

5. (Currently Amended) A method for de-scrambling an analog signal, comprising:

    a)   receiving a scrambled analog signal;

    b)   converting said scrambled signal into an intermediate frequency signal;

    c)   generating a gaussian pseudo-random noise signal; and

    d)   ~~combining~~ multiplying said intermediate frequency signal and said gaussian pseudo-random noise signal.

6. (Original) The method according to claim 5, wherein step b) comprises converting said scrambled signal into a single side band intermediate frequency signal.

7. (Original) The method according to claim 5, wherein step c) comprises:

    a)   generating a pseudo-random noise signal based on a password used for said scrambled signal;

    b)   filtering said pseudo-random noise signal; and

    c)   converting said filtered pseudo-random noise signal into a gaussian frequency distribution signal.

8. (Currently Amended) The method according to claim 5, wherein step d) comprises using a frequency converter to ~~combine~~ multiply said intermediate frequency signal and said gaussian frequency distribution signal.

9. (Currently Amended) A method for scrambling and de-scrambling an analog signal, comprising:

    a)   receiving said analog signal;

    b)   converting said received analog signal into an intermediate frequency signal;

    c)   generating a gaussian pseudo-random noise signal;

    d)   generating a scrambled signal ~~based on~~ by multiplying said intermediate frequency signal and said gaussian pseudo-random noise signal;

    e)   converting said scrambled signal into a second intermediate frequency signal;

    f)   generating a second gaussian pseudo-random noise signal; and

    g)   de-scrambling said scrambled signal ~~based on~~ by multiplying said second intermediate frequency signal and said second gaussian pseudo-random noise signal.

10. (Original) The method according to claim 9, wherein step b) comprises converting said received analog signal into a single side band intermediate frequency signal.

11. (Original) The method according to claim 9, wherein step c) comprises:

    a)   generating a pseudo-random noise signal based on a predetermined key;

    b)   filtering said pseudo-random noise signal; and

      c)   converting said filtered pseudo-random noise signal into a gaussian frequency distribution signal.

12. (Currently Amended) The method according to claim 9, wherein step d) comprises ~~combining~~ <u>multiplying</u> said intermediate frequency signal and said gaussian pseudo-random noise signal to form a radio frequency signal.

13. (Original) The method according to claim 9, wherein step e) comprises converting said scrambled signal into a second single side band intermediate frequency signal.

14. (Original) The method according to claim 11, wherein step f) comprises:
      a)   generating a pseudo-random noise signal based on said predetermined key;
      b)   filtering said pseudo-random noise signal; and
      c)   converting said filtered pseudo-random noise signal into a gaussian frequency distribution signal.

15. (Currently Amended) The method according to claim 9, wherein step g) comprises using a frequency converter to ~~combine~~ <u>multiply</u> said intermediate frequency signal and said <u>second</u> gaussian frequency distribution signal.